



Eastern Research Group
601 Keystone Park Drive
Suite 700
Morrisville, NC 27560

January 31, 2017

Mr. Dave Shelow
U.S. Environmental Protection Agency - OAQPS
109 T.W. Alexander Drive
Research Triangle Park, NC 27709
Project Name: Chloroprene

Dear Mr. Dave Shelow,

This report contains the analytical results for the sample(s) received under chain(s) of custody by Eastern Research Group on 01/12/17 11:15 through 01/18/17 10:32.

The test results in this report are in compliance with NELAC accreditation requirements for the certified parameters. All analyses were performed as described in the US EPA-approved QAPP, under the contract for UATMP, NATTS, CSATAM, PAMS and NMOC support (US EPA Contract No. EP-D-14-030). This cover page is an integral part of this report, and any exceptions or comments are noted on the last page.

Release of the data contained in this data package and in the data submitted in the electronic data deliverable, has been authorized by the Program Manager, or the Program Manager's designee as verified by the following signature.

The issuance of the final Certificate of Analysis takes precedence over any previous Report. If you have any questions, please contact me at 919-468-7924.

Sincerely,

Julie Swift
Program Manager
julie.swift@erg.com

The information contained in this report and its attachment(s) are intended only for the use of the individual to whom it is addressed and may contain information that is privileged, confidential, or exempt from disclosure. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this report is strictly prohibited. If you have received this report in error, please notify julie.swift@erg.com and delete the report without retaining any copies.



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive

Research Triangle Park, NC 27709

ATTN: Mr. Dave Shelow

PHONE: (919) 541-2364 FAX: -

FILE #: 0344.00

REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

ANALYTICAL REPORT FOR SAMPLES

<u>SampleName</u>	<u>LabNumber</u>	<u>Matrix</u>	<u>Sampled</u>	<u>Received</u>
East St. John the Baptist Hig	7011209-01	Air	01/11/17 13:34	01/12/17 11:15
East St. John the Baptist Hig	7011209-02	Air	01/11/17 13:34	01/12/17 11:15
238 Chad Baker	7011209-03	Air	01/11/17 13:25	01/12/17 11:15
Levee	7011209-04	Air	01/11/17 13:47	01/12/17 11:15
Fifth Ward Elementary Schoo	7011209-05	Air	01/11/17 13:22	01/12/17 11:15
Acorn and Hwy 44	7011209-06	Air	01/11/17 13:45	01/12/17 11:15
Ochsner Hospital	7011209-07	Air	01/11/17 13:40	01/12/17 11:15
Levee	7011819-01	Air	01/14/17 13:22	01/18/17 10:32
Levee	7011819-02	Air	01/17/17 12:46	01/18/17 10:32
Ochsner Hospital	7011819-03	Air	01/14/17 13:12	01/18/17 10:32
Ochsner Hospital	7011819-04	Air	01/17/17 12:34	01/18/17 10:32
238 Chad Baker	7011819-05	Air	01/14/17 13:30	01/18/17 10:32
238 Chad Baker	7011819-06	Air	01/17/17 12:55	01/18/17 10:32
East St. John the Baptist Hig	7011819-07	Air	01/14/17 13:07	01/18/17 10:32
East St. John the Baptist Hig	7011819-08	Air	01/17/17 12:30	01/18/17 10:32
East St. John the Baptist Hig	7011819-09	Air	01/17/17 12:30	01/18/17 10:32
Fifth Ward Elementary Schoo	7011819-10	Air	01/14/17 13:25	01/18/17 10:32
Fifth Ward Elementary Schoo	7011819-11	Air	01/14/17 13:25	01/18/17 10:32
Fifth Ward Elementary Schoo	7011819-12	Air	01/17/17 12:51	01/18/17 10:32
Acorn and Hwy 44	7011819-13	Air	01/14/17 13:17	01/18/17 10:32
Acorn and Hwy 44	7011819-14	Air	01/17/17 12:43	01/18/17 10:32

Eastern Research Group

The results in this report apply only to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7011209-01

Sampled: 01/11/17 13:34

Pressure @ Receipt: 7.0" Hg

Canister #: SAT077

Received: 01/12/17 11:15

Comments: Col 1 PR-10 Start 13:02 1/10/17

Analyzed: 01/17/17 22:34

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	5.59	20.30		0.010



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REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7011209-02

Sampled: 01/11/17 13:34

Pressure @ Receipt: 10.0" Hg

Canister #: 5091

Received: 01/12/17 11:15

Comments: Col 2 PR-5 Start 13:02 1/10/17

Analyzed: 01/17/17 23:36

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	5.65	20.50		0.010



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FILE #: 0344.00

REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 7011209-03

Sampled: 01/11/17 13:25

Pressure @ Receipt: 8.00" Hg

Canister #: 077

Received: 01/12/17 11:15

Comments: PR-22 Start 13:24 1/10/17

Analyzed: 01/18/17 02:44

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.010



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REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7011209-04

Sampled: 01/11/17 13:47

Pressure @ Receipt: 4.50" Hg

Canister #: 5018

Received: 01/12/17 11:15

Comments: PR-2 Start 13:18 1/10/17

Analyzed: 01/18/17 03:46

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.008	0.03	U	0.010



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FILE #: 0344.00

REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7011209-05

Sampled: 01/11/17 13:22

Pressure @ Receipt: 7.00" Hg

Canister #: SAT044

Received: 01/12/17 11:15

Comments: PR-23 Start 13:21 1/10/17

Analyzed: 01/18/17 04:48

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.009	0.03	U	0.010



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REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 7011209-06

Sampled: 01/11/17 13:45

Pressure @ Receipt: 7.00" Hg

Canister #: SAT020

Received: 01/12/17 11:15

Comments: PR-18 Start 13:14 1/10/17

Analyzed: 01/18/17 05:51

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.010



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FILE #: 0344.00

REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7011209-07

Sampled: 01/11/17 13:40

Pressure @ Receipt: 6.00" Hg

Canister #: 670

Received: 01/12/17 11:15

Comments: PR-4 Start 13:07 1/10/17

Analyzed: 01/18/17 06:53

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.023	0.08		0.010



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FILE #: 0344.00

REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7011819-01

Sampled: 01/14/17 13:22

Pressure @ Receipt: 4.50" Hg

Canister #: 5102

Received: 01/18/17 10:32

Comments: PR-2 Start 13:19 1/13/17

Analyzed: 01/18/17 17:49

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.105	0.38		0.010



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FILE #: 0344.00

REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Levee

Lab ID: 7011819-02

Sampled: 01/17/17 12:46

Pressure @ Receipt: 8.50" Hg

Canister #: 5118

Received: 01/18/17 10:32

Comments: PR-12 Start 12:43 1/16/17

Analyzed: 01/18/17 18:51

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.010	0.04		0.010



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FILE #: 0344.00

REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7011819-03

Sampled: 01/14/17 13:12

Pressure @ Receipt: 8.50" Hg

Canister #: A21099

Received: 01/18/17 10:32

Comments: PR-4 Start 13:11 1/13/17

Analyzed: 01/18/17 19:53

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.010



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FILE #: 0344.00

REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Ochsner Hospital

Lab ID: 7011819-04

Sampled: 01/17/17 12:34

Pressure @ Receipt: 8.50" Hg

Canister #: 139

Received: 01/18/17 10:32

Comments: PR-4 Start 12:33 1/16/17

Analyzed: 01/18/17 20:57

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.144	0.52		0.010



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FILE #: 0344.00

REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 7011819-05

Sampled: 01/14/17 13:30

Pressure @ Receipt: 9.00" Hg

Canister #: 5019

Received: 01/18/17 10:32

Comments: PR-22 Start 13:25 1/13/17

Analyzed: 01/18/17 21:59

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	5.51	20.00		0.010



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FILE #: 0344.00

REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: 238 Chad Baker

Lab ID: 7011819-06

Sampled: 01/17/17 12:55

Pressure @ Receipt: 7.50" Hg

Canister #: 054

Received: 01/18/17 10:32

Comments: PR-10 Start 12:51 1/16/17

Analyzed: 01/18/17 23:01

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.010



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FILE #: 0344.00

REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7011819-07

Sampled: 01/14/17 13:07

Pressure @ Receipt: 7.00" Hg

Canister #: A22243

Received: 01/18/17 10:32

Comments: PR-10 Start 13:06 1/13/17

Analyzed: 01/19/17 00:03

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.010



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FILE #: 0344.00

REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7011819-08

Sampled: 01/17/17 12:30

Pressure @ Receipt: 9.50" Hg

Canister #: 079

Received: 01/18/17 10:32

Comments: Col 1 PR-5 Start 12:29 1/16/17

Analyzed: 01/19/17 01:06

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	3.02	11.00		0.010



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REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: East St. John the Baptist High

Lab ID: 7011819-09

Sampled: 01/17/17 12:30

Pressure @ Receipt: 7.50" Hg

Canister #: 188

Received: 01/18/17 10:32

Comments: Col 2 PR-18 Start 12:29 1/16/17

Analyzed: 01/19/17 02:09

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	2.94	10.70		0.010



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REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7011819-10

Sampled: 01/14/17 13:25

Pressure @ Receipt: 8.50" Hg

Canister #: SAT007

Received: 01/18/17 10:32

Comments: Col 1 PR-5 Start 13:22 1/13/17

Analyzed: 01/19/17 22:10

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	20.7	75.10	D	0.058



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REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7011819-11

Sampled: 01/14/17 13:25

Pressure @ Receipt: 7.50" Hg

Canister #: A22236

Received: 01/18/17 10:32

Comments: Col 2 PR-23 Start 13:22 1/13/17

Analyzed: 01/19/17 23:12

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	20.7	75.10	D	0.058



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SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Description: Fifth Ward Elementary School

Lab ID: 7011819-12

Sampled: 01/17/17 12:51

Pressure @ Receipt: 7.50" Hg

Canister #: SAT146

Received: 01/18/17 10:32

Comments: PR-23 Start 12:47 1/16/17

Analyzed: 01/19/17 09:27

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.010



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REPORTED: 01/31/17 07:32

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AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 7011819-13

Sampled: 01/14/17 13:17

Pressure @ Receipt: 7.50" Hg

Canister #: 083

Received: 01/18/17 10:32

Comments: PR-18 Start 13:15 1/13/17

Analyzed: 01/19/17 10:29

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	ND	ND	U	0.010



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AQS SITE CODE:

SITE CODE: Chloroprene

Description: Acorn and Hwy 44

Lab ID: 7011819-14

Sampled: 01/17/17 12:43

Pressure @ Receipt: 7.50" Hg

Canister #: 793

Received: 01/18/17 10:32

Comments: PR-22 Start 12:39 1/16/17

Analyzed: 01/19/17 11:32

Air Toxics by EPA Compendium Method TO-15

<u>Analyte</u>	<u>Results</u>		<u>Flag</u>	<u>MDL</u>
	<u>ppbv</u>	<u>ug/m³</u>		<u>ppbv</u>
Chloroprene	0.010	0.04		0.010



CERTIFICATE OF ANALYSIS

U.S. Environmental Protection Agency - OAQPS

109 T.W. Alexander Drive

Research Triangle Park, NC 27709

ATTN: Mr. Dave Shelow

PHONE: (919) 541-2364 FAX: -

FILE #: 0344.00

REPORTED: 01/31/17 07:32

SUBMITTED: 01/12/17 to 01/18/17

AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	Source Result	RPD	RPD Limit	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Batch B7A1704 - Summa Canister Prep

Blank (B7A1704-BLK1)

Prepared: 01/12/17 Analyzed: 01/17/17

Chloroprene	ND	ppbv				U
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Duplicate (B7A1704-DUP1)

Source: 7011209-01 Prepared: 01/11/17 Analyzed: 01/18/17

Chloroprene	5.71	ppbv	5.59	2.10	25	
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Duplicate (B7A1704-DUP2)

Source: 7011209-02 Prepared: 01/11/17 Analyzed: 01/18/17

Chloroprene	5.64	ppbv	5.65	0.193	25	
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Batch B7A1803 - Summa Canister Prep

Blank (B7A1803-BLK1)

Prepared: 01/12/17 Analyzed: 01/18/17

Chloroprene	ND	ppbv				U
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Blank (B7A1803-BLK2)

Prepared: 01/12/17 Analyzed: 01/19/17

Chloroprene	ND	ppbv				U
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Duplicate (B7A1803-DUP1)

Source: 7011819-08 Prepared: 01/17/17 Analyzed: 01/19/17

Chloroprene	3.15	ppbv	3.02	4.24	25	
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Duplicate (B7A1803-DUP2)

Source: 7011819-09 Prepared: 01/17/17 Analyzed: 01/19/17

Chloroprene	2.95	ppbv	2.94	0.445	25	
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Duplicate (B7A1803-DUP3)

Source: 7011819-10 Prepared: 01/17/17 Analyzed: 01/20/17

Chloroprene	20.4	ppbv	20.70	1.22	25	D
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Duplicate (B7A1803-DUP4)

Source: 7011819-11 Prepared: 01/17/17 Analyzed: 01/20/17

Chloroprene	21.9	ppbv	20.70	5.35	25	D
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AQS SITE CODE:

SITE CODE: Chloroprene

Analyte	Result	Units	% Difference	Limit (%)	Notes
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Air Toxics by EPA Compendium Method TO-15 - Quality Control

Sequence 1701032

Calibration Check (1701032-CCV1)

Prepared & Analyzed: 01/17/17

Chloroprene	2.54	ppbv	1.5	30.00
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Sequence 1701033

Calibration Check (1701033-CCV1)

Prepared & Analyzed: 01/18/17

Chloroprene	2.32	ppbv	-7.0	30.00
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Calibration Check (1701033-CCV2)

Prepared: 01/18/17 Analyzed: 01/19/17

Chloroprene	2.63	ppbv	5.3	30.00
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SITE CODE: Chloroprene

Notes and Definitions

U	Under Detection Limit
D	This result obtained by dilution.
ND	Analyte NOT DETECTED
NR	Not Reported
MDL	Method Detection Limit
RPD	Relative Percent Difference

Note: The test results meet all requirements of NELAC; however the following analytes are not accredited: 1,2,4-trimethylbenzene, 1,2-dibromoethane, 1,2-dichloropropane, 1,3,5-trimethylbenzene, 1,3-butadiene, acetylene, acrolein, bromochloromethane, bromodichloromethane, bromoform, carbon disulfide, dibromochloromethane, dichlorodifluoromethane, dichlorotetrafluoroethane, ethyl acrylate, ethyl tert butyl ether, hexachloro-1,3-butadiene, octane, propylene, tert amyl methyl ether, tetrachloroethylene, tran-1,2-dichloroethylene, trchlorofluoromethane, and trichlorotrfluoroethane.